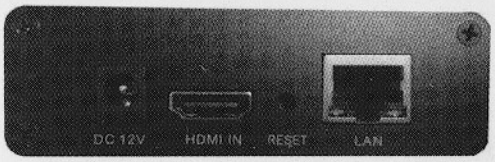
H.265 HEVC/H.264 AVC/MPGE4

FHD Video/Audio Live Encoder

Manual

1.Interface



Power: DC 9-12V 1A
HDMI IN: HDMI Video Input Port
Reset:Recovery to Default setting
LAN:100M or 1000M Ethernet Port

ANT: HG WIFI Antenna
Power: Power Light(Red)
LAN: Lan Status Light(Green)
Video: Video Signal Light(Blue)

Instructions:

A. Power ----9-12 V/DC 1A;

B. Reset----- it is used to reset the equipment; after the equipment is started, press the button for 10 seconds, the equipment IP is recovery to the default IP, 192.168.1.168.

C. Video input --- it is used to input high-definition HDMI

D. LAN ---- 100M or 1000M Ethernet connection.

2.Specification

Input

Video	1.4 HDMI HDCP
HDMI resolution ratio	1920x1200_60P,1920×1080_50/60P,1920×1080_50/60i, 1280×720_50/60p 720x576i/p 720x480i/p.
Encoding	H.265 HEVC or H.264 AVC Profile 4.2
Bitrate	16kbit/s～32Mbit/s
Bitrate control	CBR/VBR
GOP	Adjustable

Audio:

Encoding	AAC AAC+ AAC++ MP3 MP2 AC3 G.711A/U
Re-Sampling rate	44100/48000
Bitrate	48K，64K，96K，128K，160K，192K，256K
Sampling precision	24 bit
Bitrate	64Kb/s~384Kb/s

System:

Network	100M/1000M Base-T Ethernet /WIFI 2.4/5.8G 802.11n/11g/11b
Stream	UTP,HTTP,FLV,HLS,RTSP,RTMP RTP UDP(Multicast,Unicast) and ONVIF
Configuration interface	WEB operation interface or CGI Command
Updating	Software update

General

Size	89*103*29mm
Net Weight	0.3KG
Temperature range	-20~55℃(workable)
Power supply	9-12V/1A or 5V/2A
Power consumption	5W

3. System Setting ：

3.1 Reset

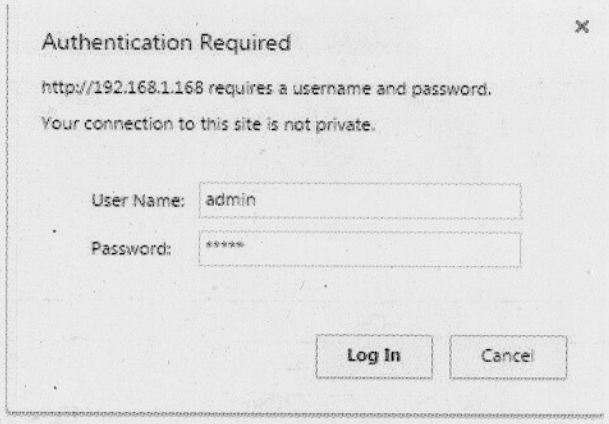
there is a RST hole on the front panel which is used to conduct initialization reset for the high-definition encoder. When the equipment is powered on, press the button and hold for 12 Seconds, when the power light is off, release the button, and all the parameters will be initialized. The initialized IP is 192.168.1.168.

3.2 Computer IP Address Setting

Computer IP can be set as 192.168.1.*. Note: anyone from 1—254, except for 168

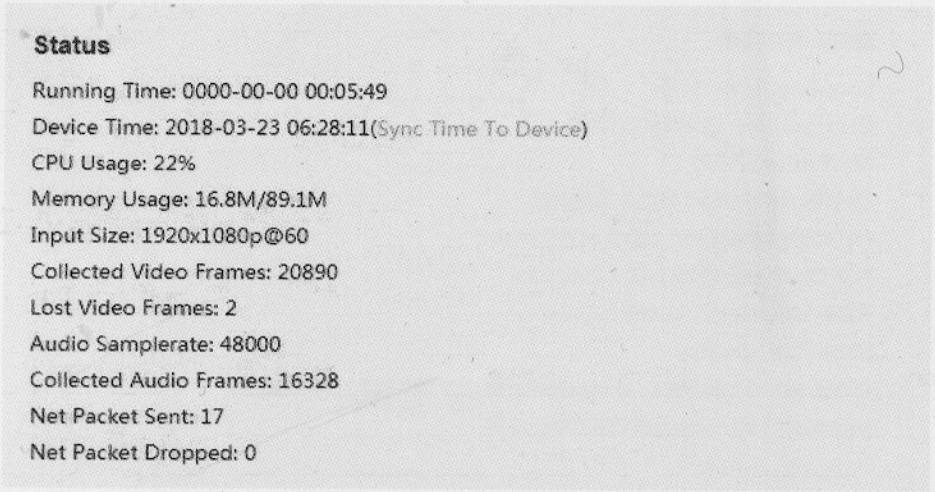
3.3 Open IE Explorer

Fill *http://192.168.1.168* to address bar, Default user name: *admin* Pass: *admin*



3.4 Status Display

3.4.1 status: when there is video input, it will display resolution of the input, and if there is not status info,input is not correct, please check your video source or video cable.



3.4.2 main stream : it shows main Stream Encoding Type,Resolution,Bitrate and access address

Main Stream

Encoding Type: H.264

Encoded Size: 1920x1080@30

Bitrate(kbit): 2800

TS URL: http://192.168.1.168/0.ts

HLS URL: http://192.168.1.168/0.m3u8

FLV URL: http://192.168.1.168/0.flv

RTSP URL:rtsp://192.168.1.168/0

RTMP URL: Disable

RTMP PUSH URL(Not Connected): rtmp://192.168.1.50/live/0

Multicast URL: udp://@238.0.0.1:1234

Preview----->Click

3.4.3 Sub stream: it shows Sub-Stream Encode Type ,Resolution Bitrate and access address

Substream1

Encoding Type: H.264

Encoded Size: 1280x720@30

Bitrate(kbit): 1800

TS URL: http://192.168.1.168/1.ts

HLS URL: http://192.168.1.168/1.m3u8

FLV URL: http://192.168.1.168/1.flv

RTSP URL: rtsp://192.168.1.168/1

RTMP URL: rtmp://192.168.1.168/live/1

RTMP PUSH URL: Disable

Multicast URL: Disable

Preview----->Click

3.3.4 Preview:

a.Click *Preview* ,it will play stream in browser

Main Stream

Encoding Type: H.264

Encoded Size: 1920x1080@30

Bitrate(kbit): 2800

TS URL: http://192.168.1.168/0.ts

HLS URL: http://192.168.1.168/0.m3u8

FLV URL: http://192.168.1.168/0.flv

RTSP URL:rtsp://192.168.1.168/0

RTMP URL: Disable

RTMP PUSH URL(Not Connected): rtmp://192.168.1.50/live/0

Multicast URL: udp://@238.0.0.1:1234

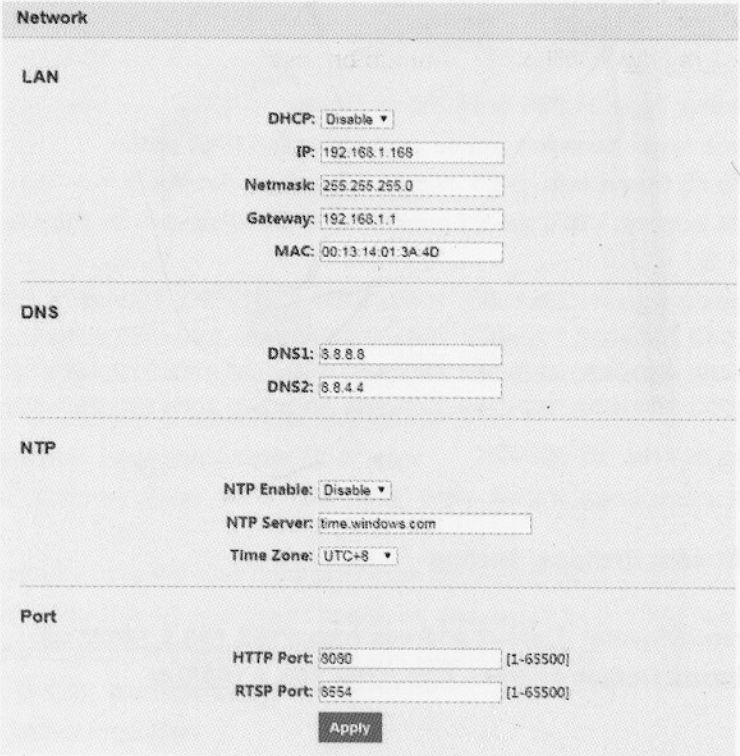
Preview----->Click

b.open VLC software to play stream

default http stream address:*http://192.168.1.168/0.ts*

default rtsp stream address:*rtsp://192.168.1.168/0*

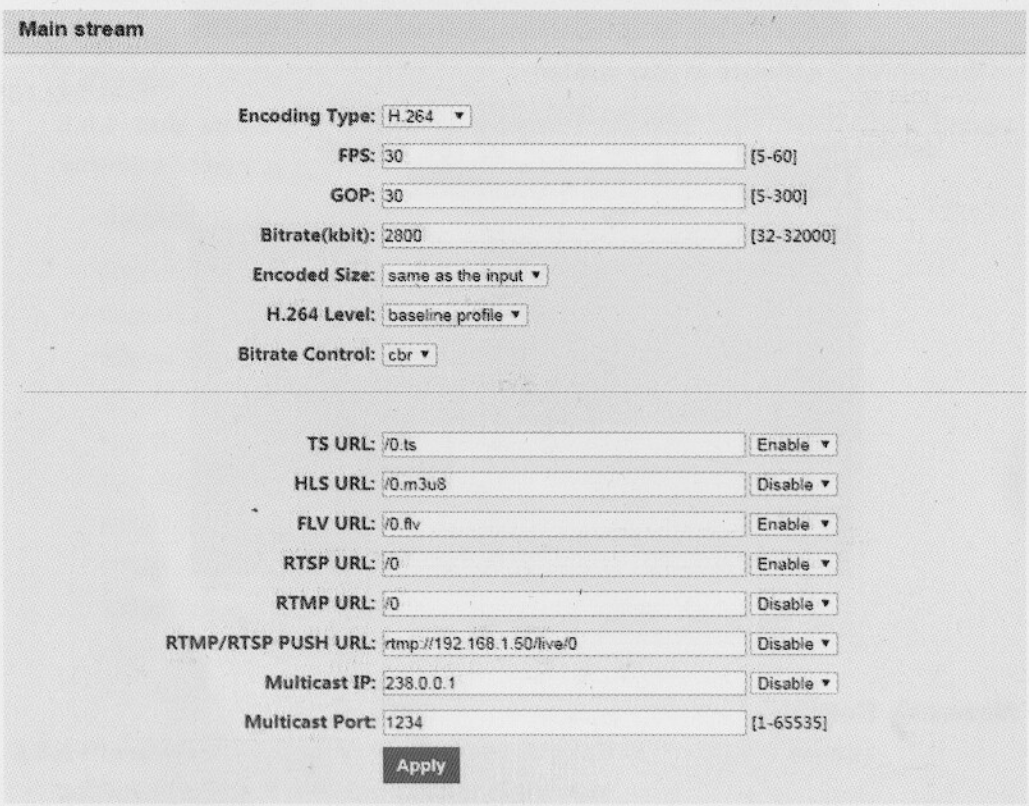
4. Network Setting



Instructions: in terms of IP address of the equipment, the factory default is 192.168.1.168. If you forget the IP address after modification, you can reset the equipment by pressing the rest button for 12 seconds when the equipment is powered on, and restore the factory default ip.

5. Main Stream Encoding Setting

5.1Encoding Setting of Main Stream



5.1.1 Encoding Type: H.264 or H.265 or Mjpeg

5.1.2 Encode level: baseline profile / main profile / high profile

5.1.3 Encoding frame rate: 5-60 frames（it can output 60p When Input is 60p)

5.1.4 Bitrate control: VBR(quality priority) and CBR(bandwidth Priority)

5.1.5 GOP: 30

5.1.6 Encoding size: 1920x1080, 1680x1050,1280x720, 1024x576,850x480,720x576, 720x540,720x480,720x404,704x576,640x480,640x360,608x488, 544x480,480x480,480x384,480x360,480x320,480x272,480x720,400x320, 400x224,352x480,352x228,320x256,320x240,320x180,240x180,176x144

5.1.7 Video bit rate: 16-32000K

5.2 Main Stream Protocal Setting

UTP protocol(Private) ,Default address ***http://192.168.1.168/0.utp***

HTTP protocol,Default address ***http://192.168.1.168/0.ts***

HLS protocol,Default address ***http://192.168.1.168/0.m3u8***

FLV protocol,Default address ***http://192.168.1.168/0.flv***

RTSP protocol,Default address ***rtsp://192.168.1.168/0***

RTMP pull stream address:

Default address ***rtmp://192.168.1.168/live/0***

default port :1935

RTMP push stream address:

rtmp://ip:port/xxx/xxx

or

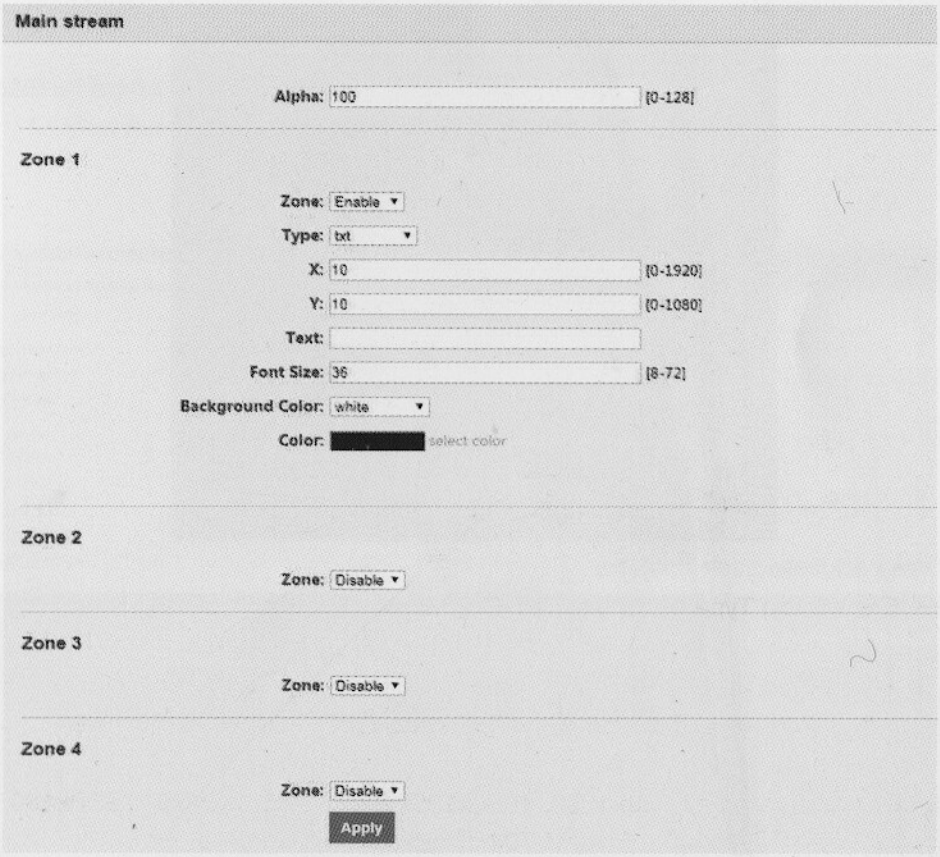
rtmp://user:pass@ip:port/xxx/xxx

RTMP default port: 1935

Multicast protocol,Default address ***UDP://@238.0.0.1:1234***

Unicast protocol,Default address: ***UDP://@192.168.1.50:1234*** (Note:192.168.1.50 is received device)

5.3 OSD Setting



5.3.1 Zone 1-4,you can enable max to 4 image or txt

Text, support English/number Character

Image, support 24bit BMP file ,less than 500KB,transparency color is R:241 G:241 B:241

5.3.2 X coordinate: the left and right positions displayed by 0-1920 text.

Y coordinate: the up and down positions displayed by 0-1080 text.

5.3.3 font: the size of 8-72 text display in the display screen.

5.3.4 Alpha: 0-128 , transparency

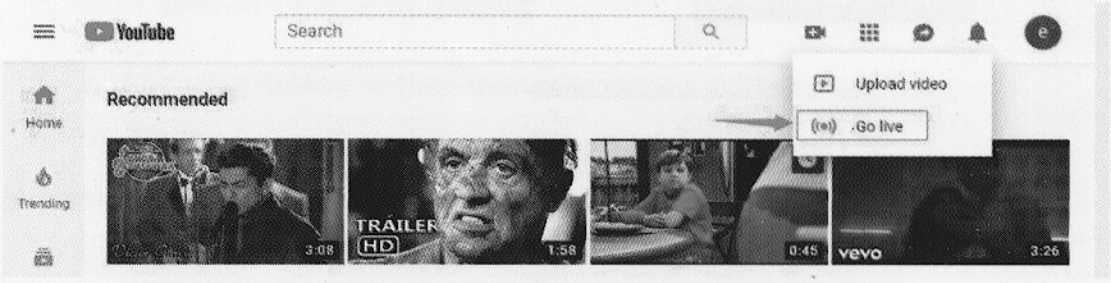
5.3.5 Logo: select logo files

5.4 Sub Stream Encoding Setting

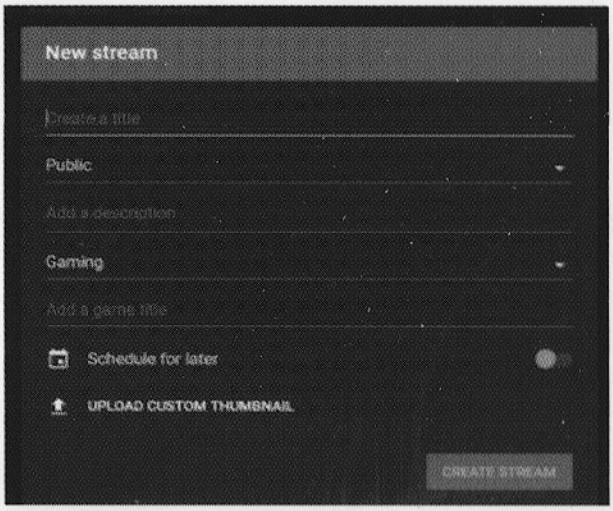
Note: the setting method is as same as that of main stream

6. Instructions for Youtube Streaming

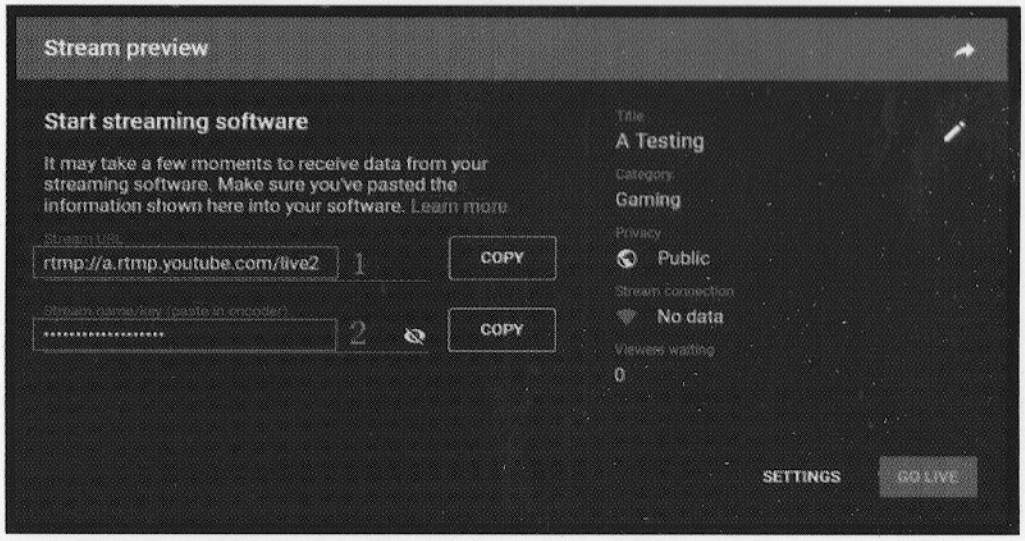
1.Open live streaming page on Youtube



2.Create a live stream channel



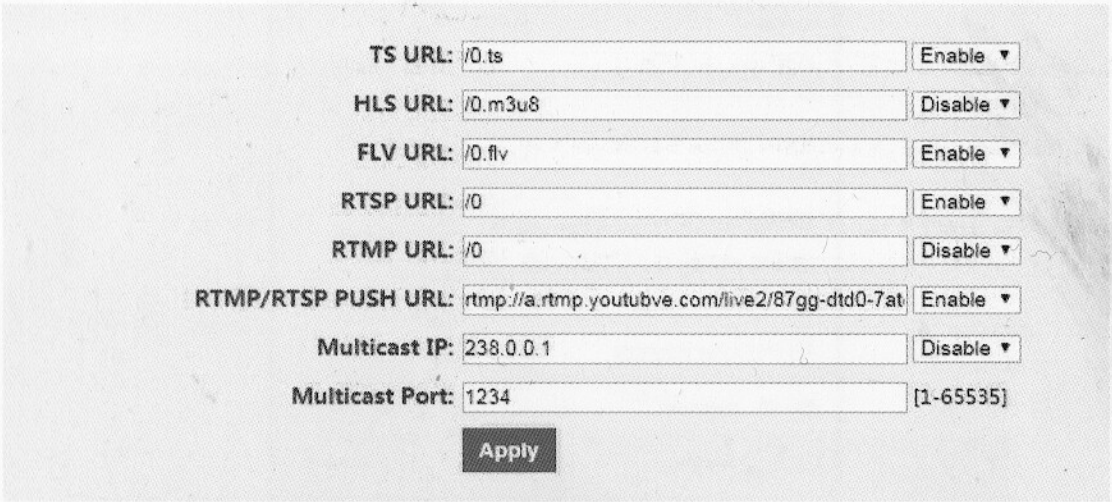
3.Copy rtmp address from Youtube



The whole address(part 1+part 2) is_

rtmp://a.rtmp.youtube.com/live2/87gg-dtd0-7atc-8zwu

4.Paste whole rtmp address into encoder



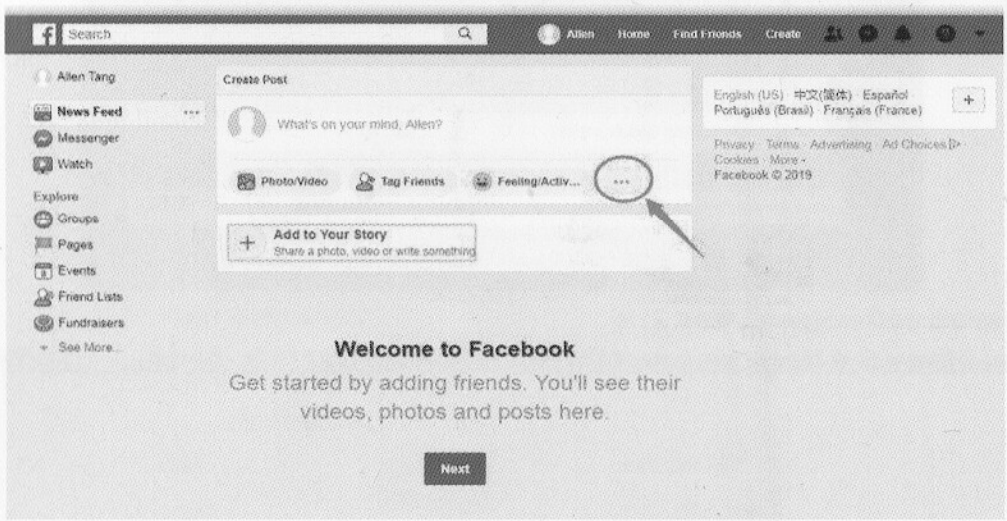
Paste whole rtmp address

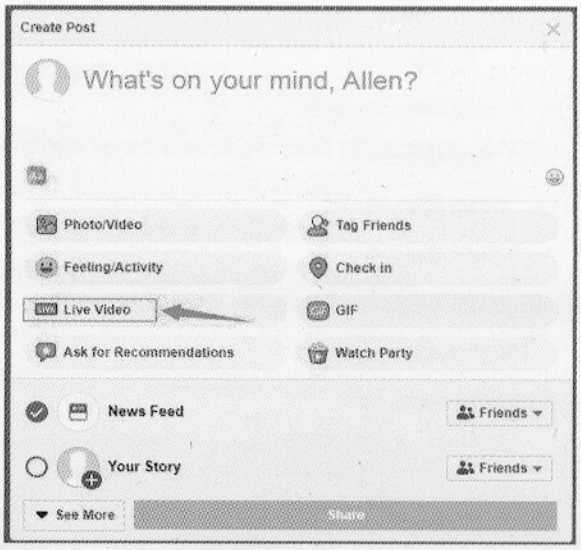
Enable it

Click Apply botton

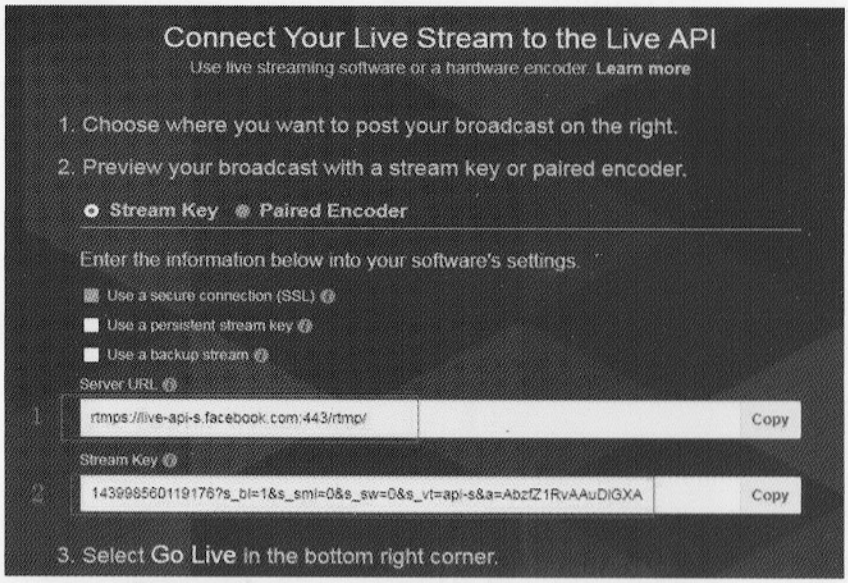
7. Instructions for Facebook Streaming

1.Open live streaming page on Youtube



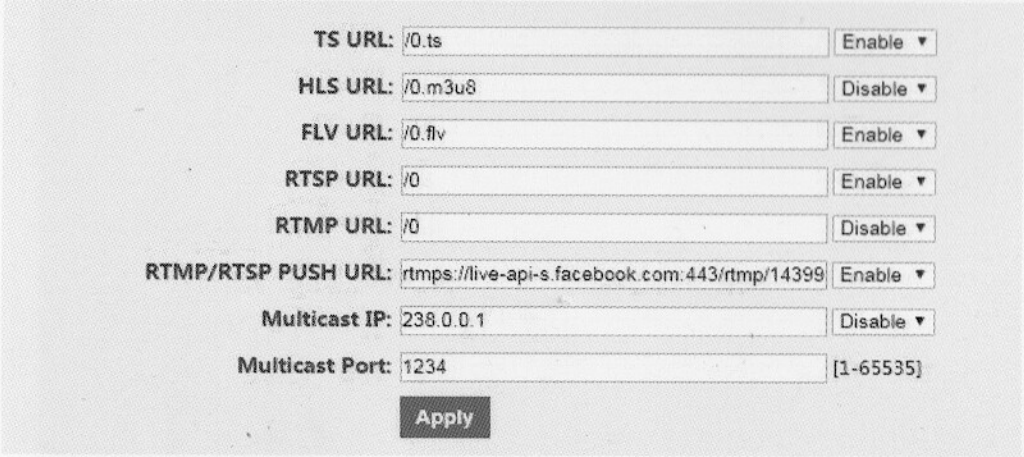


2. Copy rtmp address from Facebook



The whole address(part 1+part 2) is_

rtmps://live-api-s.facebook.com:443/rtmp/143998560119176?s_bi=1&…….DIGXA

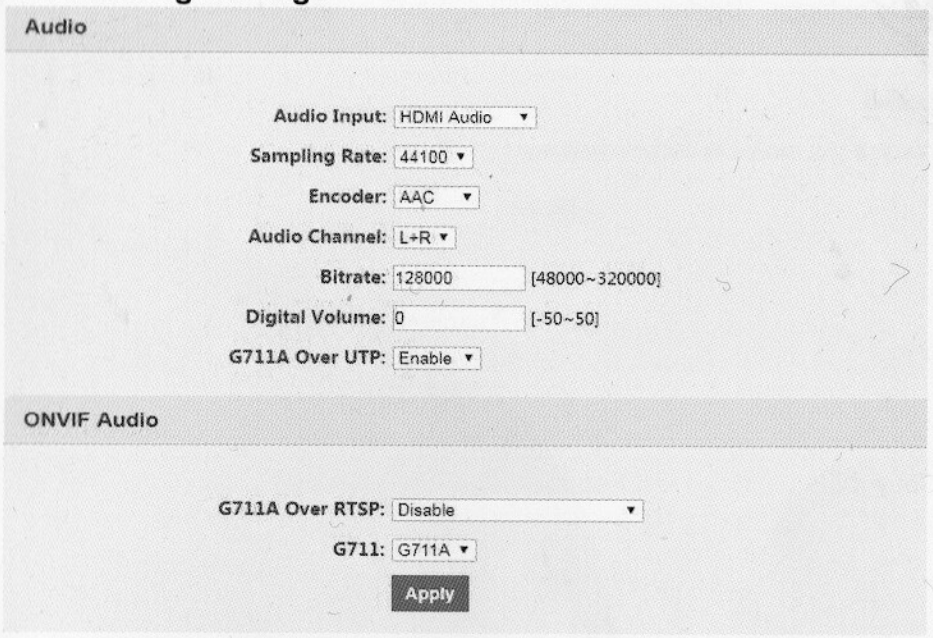


Paste whole rtmp address

Enable it

Click Apply botton

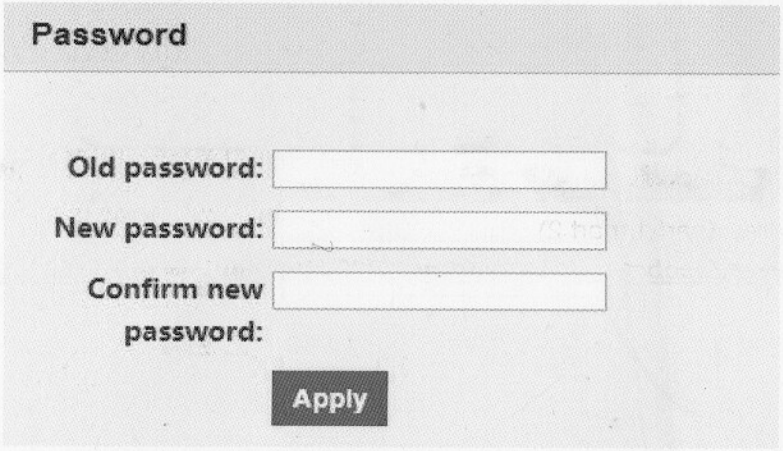
8. Audio Encoding Settings



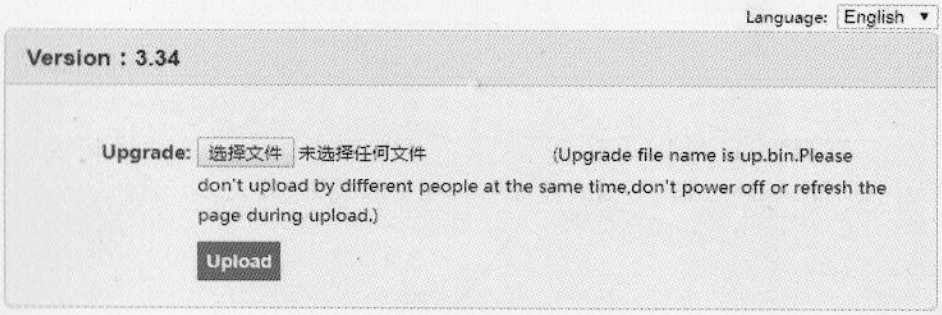
Audio Bit rate: 48K, 64K, 96K, 128K, 160K, 192K and 256K
Audio type: AAC,AAC+,MP3, MP2,AC3,G711A,G711U
Audio resample: 44100,48000

9. System Settings

9.1 User name and password change



9.2 Software upgrade



9.3 System settings：Device reset and initialization default settings

Technical Support

Contact person: ISEEVY
Brand: ISEEVY
Email: iseevy@163.com
Whatsapp:
+86-13826509835